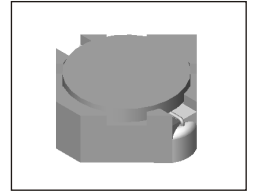


SMT Power Inductor

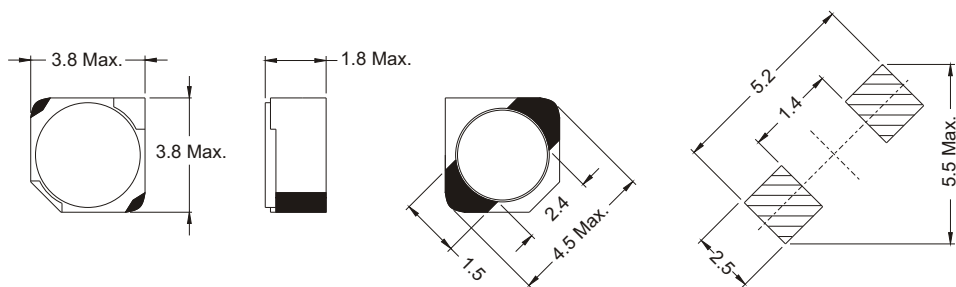
SILM418 Type

Features

- Low profile (1.8mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- Self-leads, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

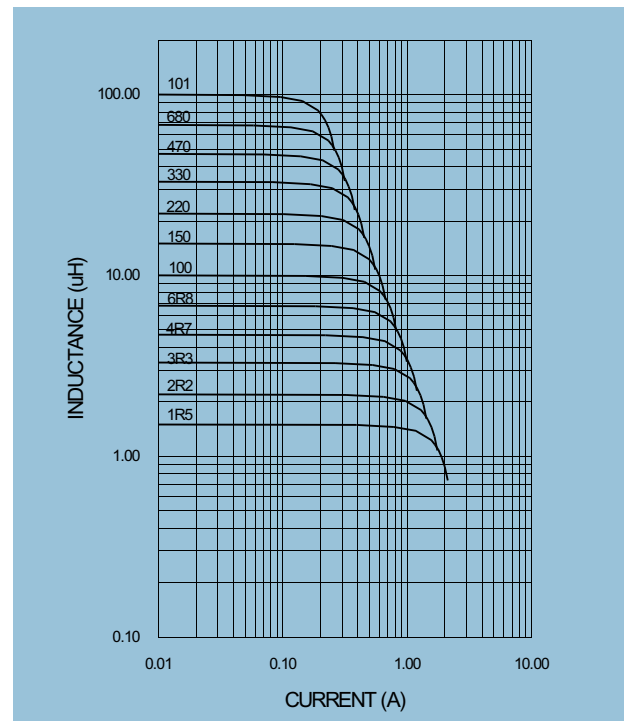


Mechanical Dimension:



Electrical Characteristics:

PART NO.	L* (uH)	DCR (m) MAX	I _{Rated} ★ ★ (Adc)
SILM418 - 1R5	1.5	52	1.55
SILM418 - 2R2	2.2	72	1.20
SILM418 - 3R3	3.3	85	1.10
SILM418 - 4R7	4.7	105	0.90
SILM418 - 6R8	6.8	170	0.73
SILM418 - 100	10	210	0.55
SILM418 - 150	15	295	0.42
SILM418 - 220	22	430	0.35
SILM418 - 330	33	675	0.32
SILM418 - 470	47	850	0.24
SILM418 - 680	68	1360	0.22
SILM418 - 101	100	1650	0.17



★ Tolerance of inductance
1.5~100uH±30%

★★ I_{Rated}: rated current. $\Delta L < 35\%$, $\Delta T < 45^\circ\text{C}$ at I_{Rated}

★★★ Operating temperature: -20°C to 105°C (including self-temperature rise)

★★★★ Test condition at 25°C: 100KHz, 0.1V



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